Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Division

Improvements to roads, drains and other developmental works in Singanayakanahalli grama panchaythi limits under SWM head in Chief Minister Nava Nagarothan grants of Yelahanka division. (Package-10)

1	Drilling of borewells and construction of RO plants comes under Shivakote, Kasagattapura, vaderapura and singanayakanahalli grama panchayathi Limits.
2	Improvements to roads and drains and construction of Concrete roads at Avalahalli village Limits.
3	Improvements to roads and drains at Kempanahalli village.
4	Improvements to roads and drains and construction of Concrete roads at Mylapanahalli village Limits.
5	Improvements to roads and drains and construction of Concrete roads at Synganayakanahalli village Limits.
6	Development of works at Singanayakanahalli Gundu Thopu
7	Improvements to roads and drains at Honnenahalli village Limits .
8	Improvements to roads and drains at Ramagondanahalli village Limits.
9	Providing Asphalting and Improvements to drains at Kondappa layout Kamakshamma layout Chowdeshwari layout main and cross roads in Chowdeshwari ward no -02 of Yelahanak Sub division

Quantity Abstract (Estimate Wise)

Sl No	Description of Item	Unit	RO Plant	Avalahalli	Kempanahalli	Mylappanahalli	Synganayakanahalli	Gundu Thopu	Honnenahalli	Ramagondanahalli	Kondappa Layout	Total Quantity as per Estimation	Rate, Rs	Amount, Rs
			1	2	3	4	5	6	7	8	9			
1	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depyh including the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specification No. KBS 2.1 (b)/ 2.3.5 PWD SR 2018-19 It No.2.4 Pg. No.6	Cum	126.61									126.61	462.47	58554.25
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 PWD SR 2018-19 It No.4.2 Pg. No.13	Cum	30.29	135.75	135.21	131.69	112.55	20.70	128.18	156.54	146.04	996.93	5349.82	5333409.16
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2018-19 It No.5.5 Pg. No.25	Cum	40.87									40.87	4628.82	189166.91
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2018-19 It No.5.6 Pg. No.25	Cum	22.99									22.99	4733.88	108821.49
5	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications.PWD SR 2018-19. It No.34.12.1	Sqm	51.08									51.08	145.23	7418.93

Sl No	Description of Item	Unit	RO Plant	Avalahalli	Kempanahalli	Mylappanahalli	Synganayakanahalli	Gundu Thopu	Honnenahalli	Ramagondanahalli	Kondappa Layout	Total Quantity as per Estimation	Rate, Rs	Amount, Rs
			1	2	3	4	5	6	7	8	9			
6	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 PWD SR 2018-19 It No.4.12Pg. No.14	Cum	61.32									61.32	6226.35	381787.83
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Specification No.KBS 4.6.3 PWD SR 2018-19 It No.4.46.2Pg. No.18	Tn	13.57									13.57	73094.98	992118.75
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 PWD SR 2018-19 It No.4.31Pg. No.16	Sqm	496.58									496.58	368.74	183108.17
9	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 PWD SR 2018-19 It No.5.26.1Pg. No.27	Sqm	423.06									423.06	939.36	397405.64
10	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.PWD SR 2018-19 It No.15.22Pg. No.116	Sqm	90.63									90.63	231.75	21003.50
11	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.PWD SR 2018-19 It No.15.9Pg. No.115	Sqm	328.11									328.11	217.33	71308.15

Sl No	Description of Item	Unit	RO Plant	Avalahalli	Kempanahalli	Mylappanahalli	Synganayakanahalli	Gundu Thopu	Honnenahalli	Ramagondanahalli	Kondappa Layout	Total Quantity as per Estimation	Rate, Rs	Amount, Rs
			1	2	3	4	5	6	7	8	9			
12	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. .PWD SR 2018-19 It No.15.17Pg. No.116	Sqm	375.45									375.45	252.35	94744.81
13	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete.)PWD SR 2018-19 It No.14.43Pg. No.109	Sqm	90.63									90.63	1285.20	116477.68
14	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. PWD SR 2018-19 It No.14.41.2 Pg. No.108	Sqm	25.38									25.38	1680.96	42662.76
15	Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m. Specification No. KBS 7.10 / 7.12. PWD SR 2018-19 It No.7.5 Pg. No.33	Sqm	32.76									32.76	2685.21	87967.48
16	Providing and applying two coats with oil bound washable distermper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.PWD SR 2018-19, It No.15.49.1 Pg No.119	Sqm	328.11									328.11	113.30	37174.86
17	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. PWD SR 2018-19 It No.15.53.1 Pg. No.120	Sqm	375.45									375.45	91.67	34417.50

Sl No	Description of Item	Unit	RO Plant	Avalahalli	Kempanahalli	Mylappanahalli	Synganayakanahalli	Gundu Thopu	Honnenahalli	Ramagondanahalli	Kondappa Layout	Total Quantity as per Estimation	Rate, Rs	Amount, Rs
			1	2	3	4	5	6	7	8	9			
103	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2(P.No-13,I No-4.6)	Cum						17.64	5.60			23.24	5584.66	129787.50
104	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.(P.No-27,I No-5.30)	Nos						1480.00	622.00			2102.00	420.24	883344.48
105	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-180,I No-24.1)	Sqm						266.40	112.00			378.40	82.40	31180.16
106	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	Cum								62.91		62.91	1944.64	122337.30
107	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)	Sqm								933.12		933.12	32.96	30755.64
108	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)	Cum								46.66		46.66	7218.24	336774.21
109	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)	Sqm								6220.80		6220.80	12.36	76889.09

Sl No	Description of Item	Unit	RO Plant	Avalahalli	Kempanahalli	Mylappanahalli	Synganayakanahalli	Gundu Thopu	Honnenahalli	Ramagondanahalli	Kondappa Layout	Total Quantity as per Estimation	Rate, Rs	Amount, Rs
			1	2	3	4	5	6	7	8	9			
110	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)(P.No-171,I No-21.78.12)	Cum								248.83		248.83	8453.21	2103429.15
111	Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications. -do- using black granite/ Multy Red / Ruby Red / Black / Hassan Green / River Pink Granite of width not less than 900mm (P.No-110 ,I No-14.47.2 of PWD BCSR 2018-19).	Sqm			90.00							90.00	2307.20	207648.00
112	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete as per specification. (P.No-110 ,I No-14.47.2 of PWD BCSR 2018-19).	Sqm			11.40							11.40		
												18.00	1[illegible]	
113	BESCOM Deposite Charges	Ls											Construction	
													12% GST	10082999.78
													5% Tender Premium	4201249.91
													DPR and PMC Cost Including GST	1685000.00
													Sub Total	99994247.85
													Miscellaneous	5752.15
													Grand Total	100000000.00

Technical Sanction
Accorded For : RS10-00cr's
Head of A/C : Annexure-5
CER NO : 223 Dt : 02.11.2019

TA1 CE (YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 21-10-2019 and Data Rates

Assistant Engineer
Yelahanka Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work : Drilling of borewells and construction of RO plants comes under Shivakote, Kasagattapura, vaderapura and singanayakanahalli grama panchayathi Limits

Sl. No	Description		No	L	B	D	Qty	Rate	Amount
1	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depyh including the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specification No. KBS 2.1 (b)/ 2.3.5 PWD SR 2018-19 It No.2.4 Pg. No.6								
	Basic Rate		449.00						
	Area Weightage 3%		13.47						
	Total		462.47						
	For Columns	6	4	1.20	1.20	1.20	41.47		
	Long walls	6	2	7.13	0.75	1.00	64.17		
	Short walls	6	2	2.33	0.75	1.00	20.97		
						Cum	126.61	462.47	58554.25
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.PWD SR 2018-19 It No.4.2 Pg. No.13								
	Basic Rate		5194.00						
	Area Weightage 3%		155.82						
	Total		5349.82						
	For Columns	6	4	1.20	1.20	0.15	5.18		
	Long walls	6	2	7.13	0.75	0.15	9.63		
	Short walls	6	2	2.33	0.75	0.15	3.15		
	Flooring	6	1	5.17	2.65	0.15	12.33		
						Cum	30.29	5349.82	162021.71
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2018-19 It No.5.5 Pg. No.25								
	Basic Rate		4494.00						
	Area Weightage 3%		134.82						
	Total		4628.82						
	1nd Footing								
	LW	6	2	6.83	0.60	0.60	29.51		
	SW	6	2	2.63	0.60	0.60	11.36		
						Cum	40.87	4628.82	189166.91
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2018-19 It No.5.6 Pg. No.25								
	Basic Rate		4596.00						

51	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1 5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. **(P. No.6/ I No 2.3 PWD SR 2018-19)**								
	Basic rate	299.00							
	Area Weightage 3%	8.97							
	Total	**307.97**							
		Cum	11	355.00	0.60	0.70	1640.10	307.97	505101.60
52	Supplying PVC ring tight pipes conformin to IS 4980 :2000 With latest amendments and conveying to work site rolling and lowering into trenches laying true line level and prefect linking at joints testing and commissoning incuding loading and un loading at both destinations and cuts of pipes wherever neccessary including joints of PVC pipes and specificals (excluding cost of pipes)with jointing of approvel type with all labour with all lead and lift incuding encasing the pipe alround to adepth of not less then 15cms with soft gravel or selected earth availble from the excavation etc.., completed and giving necessary hydralic test to the required pressure as per IS (Contractor will make his own arrangement for procuring water for testing)(P. No 133 I No 1.4 BWSSB SR 2018-19) **63mm outer dia, 6kg/sqcm & class 5**								
		Mtr	11	355.00			3905.00	122.00	476410.00
53	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5 m. includingcost of all labour complete as per specifications. P. No. 7.1/ I No. (2.11) KPWD SR 2018-19								
	Basic rate	121.00							
	Area Weightage 3%	3.63							
	Total	**124.63**							
		Cum	11	355.00	0.60	0.70	1640.10	124.63	204405.66
54	Supplying fully automatic **star-delta starter** unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.Above 12 5 HP upto 25 HP (P No. 24 / I No.5.2.2 KPWD Electrical SR 2019-20)								
		Nos	11				11.00	8000.00	88000.00
56	BESCOM Deposite Charges	Nos	17				17.00	14000.00	238000.00
								Total Construction Cost	16806375.00
								Towards GST 12%	2016765.00
								Tender premiun 5%	840318.75
								DPR and PMC Charges 2%	335000.00
								Sub Total	19998458.75
								Utility Shifting,Miscellaneous and Rounding off	1,541.25
								GRAND TOTAL	20000000.00

Certificate

1. The workspot was inspected and works is found to be necessary
2. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 21-10-2019, PRED, BWSSB, KPWD Electrical SR for year 2018-2019 and Data Rates

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Improvements to roads and drains and construction of Concrete roads at Avalahalli village Limits.

Est Cost: 100.00 Lakhs

Sl No	Description of Item	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (I No-19.1,P No-141), 10km lead = (1.28x2x10)+57.								
	Basic rate	130.00							
	Area Weightage 3%	3.90							
	Loading and Unloding & Lead	82.60							
	Total	**216.50**							
	CC Drain	**Cum**							
	Avalahalli								
	Circle to Dead Rd, RHS		1	180.00	1.00	1.00	180.00		
	Akkannnappa house Rd		1	93.00	1.00	1.00	93.00		
	Madhusudhan House Rd		1	50.00	1.00	1.00	50.00		
	Circle to Temple LHS		1	80.00	1.10	1.00	88.00		
	Munihanumayya house Rd		1	42.00	1.00	1.00	42.00		
	Hanumegowda House Rd		1	175.00	1.00	1.00	175.00		
	Reethika Farm		1	110.00	2.20	1.20	290.40		
	Rain Water Harvesting pits		5	0.31		1.80	2.79		
	Culvert		5	5.00	1.40	1.00	35.00		
							956.19	**216.50**	**207015.14**
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. Data Rate								
	Data rate	1901.00							
	a) 40mm Jelly	Cum	5	0.31		0.40	**0.62**	**1901**	**1,178.62**
	Data rate	1901.00							
	b) 20mm Jelly	Cum	5	0.31		0.40	**0.62**	**1901**	**1,178.62**
	Data rate	2651.00							
	c) Coarse sand.	Cum	5	0.31		0.30	**0.47**	**2651**	**1,232.72**
	Data rate	2651.00							
	d) Fine Sand	Cum	5	0.31		0.20	**0.31**	**2651**	**821.81**
	Data rate	1901.00							
	e) 12.5mm chips	Cum	5	0.31		0.30	**0.47**	**1901**	**883.97**

Sl No	Description of Item	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Avalahalli								
	Akkannnappa house Rd								
	Front of Ranga Mandira		1	70.00	2.80	0.15	29.40		
	Arkeshwara Temple Platform		1	27.00	23.00	0.15	93.15		
	Hanumegowda House Rd		1	10.00	10.00	0.15	15.00		
			1	175.00	3.50	0.15	91.88		
							229.43	**5063.48**	**1161688.90**
16	KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
	Basic rate	429.00							
	Area Weightage 3%	12.87							
	Total	**441.87**							
		Sqm							
	Avalahalli								
	Akkannnappa house Rd		2	70.00	0.10		14.00		
	Front of Ranga Mandira		2	27.00	0.10		5.40		
	Arkeshwara Temple Platform		2	10.00	0.10		2.00		
	Hanumegowda House Rd		2	175.00	0.10		35.00		
							56.40	**441.87**	**24,921.47**
								Total Construction Cost	**8396417.45**
								Towards GST 12%	**1007570.09**
								Tender premiun 5%	**419820.87**
								DPR and PMC Charges 2%	**176000.00**
								Sub Total	**9999808.42**
								Utility Shifting,Miscellaneous and Rounding off	**191.58**
								GRAND TOTAL	**10000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 21-10-2019 and Data Rates

Assistant Engineer

Asst. Executive Engineer

Executive Engineer
Yelahanka Division
BBMP Bangalore